

Appl.No. : 09/800,268  
Filed : March 5, 2001

correlating the input and output of an equalizer for a received data burst from a next remote site based on equalizer tap values;

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determining an angle of correction for an incoming data burst from the next remote site based on the correlation using the equation  $\theta_{eq} = \text{angle}(c_0 + 0.627c_1)$ , wherein  $c_0$  is the center tap value, and wherein  $c_1$  is an adjacent tap value; and

shifting the incoming data burst by applying the determined angle of correction to the incoming data burst.

#### REMARKS

By this amendment, claims 72-77, 85, 90, and 91 have been cancelled. The Examiner has stated that claims 26, 28-71, 78-84, 95, and 96 are allowed. In addition, the Examiner has stated that dependent claims 92 and 93 contain allowable subject matter. In response, claim 92 has been re-written in independent form to include all of the limitations of its base claim. Claim 93 depends from amended claim 92 and thus is allowable for the same reasons as amended claim 92. Accordingly, Applicant respectfully requests a Notice of Allowance for claims 26, 28-71, 78-84, 92, 93, 95, and 96

Attached hereto is a marked-up version of the changes made to claim 92 by the current Amendment. The attached pages are captioned **VERSION WITH MARKINGS TO SHOW CHANGES MADE**. The changes are indicated by underlining insertions and deletions are ~~stricken through~~.

#### ***Formal Corrected Drawings***

Formal corrected drawings, which incorporate the Examiner's approved correction, are being submitted with Applicant's amendment in response to the Final Office Action.

#### CONCLUSION

The applicant has endeavored to address all of the Examiner's concerns as expressed in the Final Office Action. Accordingly, the amendment in support of the patentability of the claims is presented above. In light of the cancellation of claims 72-77, 85, 90, and 91, withdrawal of the outstanding rejections is respectfully requested. Early issuance of a Notice of

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Allowance is most earnestly solicited. Formal drawings are being submitted with Applicant's amendment in response to the Final Office Action. If the Examiner finds any impediment to the prompt issuance of the Notice of Allowance that could be clarified with a telephone conference, he is invited to call the undersigned directly.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 2/18/03

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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS:**

92. (AMENDED) A method for operation of a modem system which demodulates data bursts from a plurality of remote sites using stored channel parameters for each remote site which corrects the phase shift caused by the storage of equalizer tap values, the method comprising:

correlating the input and output of an equalizer for a received data burst from a next remote site based on equalizer tap values;

determining an angle of correction for an incoming data burst from the next remote site based on the correlation ~~The method of Claim 91, further comprising determining the angle of correction~~ using the equation  $\theta_{eq} = \text{angle}(c_0 + 0.627c_1)$ , wherein  $c_0$  is the center tap value, and wherein  $c_1$  is an adjacent tap value; and  
shifting the incoming data burst by applying the determined angle of correction to the incoming data burst.

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